

CLAIMS:

Subcl 1. (Previously Amended) A method of constructing a concrete module, comprising the steps of:

forming two pitch walls, each said pitch wall having a wall upper end angled to define a building roof pitch and an upper peak having a beam receiving notch, having a shorter lateral end and a longer lateral end, and a wall lower end, and having a notch at the intersection of the lower lateral end and the angled wall upper end;

YB1 forming a linking wall having two linking wall lateral ends substantially matching the height of the pitch wall shorter lateral ends;

providing a floor form platform having a horizontal platform surface and an upright floor form rail;

placing the two pitch walls and the linking wall on a floor form platform such that the pitch wall longer lateral ends are each abutting and substantially perpendicular to the floor form rail and the pitch wall shorter lateral ends are adjacent to one of the linking wall lateral ends such that the pitch walls both extend in the same direction from and are substantially perpendicular to the linking wall, and the pitch walls, linking wall and floor form rail together enclose a region of the horizontal platform surface to define a floor form;

pouring uncured concrete into the floor form;

permitting the concrete within the floor form to cure and define a module floor joined to the pitch walls and linking wall;

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constructing a roof form with roof form support structures having planar upper surfaces angled to match the desired roof pitch to define a contiguous roof form lower wall below a distance below and adjacent to the pitch wall and linking wall upper ends and meeting the pitch walls and linking walls to define a partial roof form;

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forming a concrete beam which is one of pre-stressed and post stressed;

placing the beam parallel to the linking wall and into the beam notches to complete the roof form;

and pouring uncured concrete into the roof form; permitting the concrete in the roof form to cure; removing the roof form support structures; lifting the completed module off the platform.

2. (Original) The method of claim 1, comprising the additional steps of:

forming metal plates into lateral edges of the pitch walls and linking walls;

and welding the adjacent metal plates of adjacent lateral ends together to hold the walls in place prior to floor and roof forming

3. (Original) The method of claim 1, comprising the additional steps of forming a mitered edge along the pitch wall shorter lateral ends forming a mitered edge along each of the linking wall lateral ends, and placing the shorter pitch wall lateral ends adjacent to the linking wall lateral ends such that

pitch wall shorter lateral ends and linking wall lateral ends meet to define mitered corners.

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4. (Original) The method of claim 3, wherein the step of forming a concrete wall includes the sub-steps of providing three wall forms each having a rectangular perimeter wall resting on a platform; placing reinforcing members within the wall forms, the reinforcing members including threaded first reinforcing rods having threaded rod connection ends such that the threaded rod connection ends are exposed; pouring uncured concrete into the wall forms; permitting the concrete to cure and form building walls; removing the building wall from the wall form; and additionally including the step of fastening second threaded reinforcing rods to the threaded rod connection ends of the first threaded reinforcing rods such that the second threaded reinforcing rods extend laterally into the floor form.

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5. (Currently Amended / Previously Added) A method of constructing first and second concrete modules, comprising the steps of:

forming first, second, third and fourth pitch walls, each said pitch wall having a wall upper end and having a first lateral end and a second lateral end, and a wall lower end;

forming first and second linking walls, each said linking wall having two linking wall lateral ends;

providing a floor form platform having a horizontal platform surface and an upright floor form rail extending upwardly from said platform surface and having a first longitudinal rail side and a second longitudinal rail side;

placing said first and second pitch walls and said first linking wall on said platform surface such that the pitch wall second lateral ends of said first and second pitch walls are each abutting and substantially perpendicular to said first longitudinal rail side and the pitch wall first lateral ends of said first and second pitch walls are each adjacent to said first linking wall such that said first and second pitch walls both extend generally in the same direction from said first linking wall and are spaced apart from each other, and said first and second pitch walls, said first linking wall and said first longitudinal rail side of said floor form rail together enclosing a first region of said horizontal platform surface to define a first floor form;

placing said third and fourth pitch walls and said second linking wall on said platform surface such that the pitch wall

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second lateral ends of said third and fourth pitch walls are each adjacent to said second longitudinal rail side, and the pitch wall lateral end of said third pitch wall is directly opposite the pitch wall lateral end of said first pitch wall and said third pitch wall and said first pitch wall are oriented at substantially the same angle relative to horizontal, and the pitch wall lateral end of said fourth pitch wall is directly opposite the pitch wall lateral end of said second pitch wall and said fourth pitch wall and said second pitch wall are oriented at substantially the same angle relative to horizontal, and the pitch wall first lateral ends of said third and fourth pitch walls are each adjacent to said second linking wall, such that said third and fourth pitch walls both extend generally in the same direction from said second linking wall and are spaced apart from each other, and said third and fourth pitch walls, said second linking wall and said second longitudinal rail side of said floor form rail together enclosing a second region of said horizontal platform surface to define a second floor form;

pouring uncured concrete into said first and second floor forms;

permitting the concrete within said first floor form to cure and define a first module floor joined to said first and second pitch walls and to said first linking wall, wherein said first module floor, said first and second pitch walls and said first linking wall together define a first module;

permitting the concrete within said second floor form to cure

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and define a second module floor joined to said third and fourth pitch walls and to said second linking wall, wherein said second module floor, said third and fourth pitch walls and said second linking wall together define a second module;

lifting the completed said first module off said platform.

and lifting the completed said second module off said platform.

6. (Previously Added) A method of constructing a concrete module, comprising the steps of:

forming a first pitch wall and a second pitch wall, each of said first and second pitch walls having a wall upper end and having a pitch wall first lateral end and a pitch wall second lateral end and a wall lower end;

forming a linking wall having two linking wall lateral ends;

providing a floor form platform having a horizontal platform upper surface and an upright floor form rail extending upwardly from said platform surface and having a longitudinal rail side;

placing said first and second pitch walls and said linking wall on the horizontal platform upper surface of said floor form platform such that the pitch wall second lateral ends of said first and second pitch walls are each adjacent to said longitudinal rail side and the pitch wall first lateral ends of said first and second pitch walls are adjacent to said linking wall such that said first and second pitch walls both extend generally in the same direction from said linking wall and are spaced apart from each other, and said first and second pitch walls, said linking wall and said longitudinal rail side of said floor form rail together enclosing a region of said horizontal platform surface to define a floor form;

pouring uncured concrete into said floor form;

permitting the concrete within said floor form to cure and define a module floor joined to said first and second pitch walls and said linking wall, such that said module floor, said first and

second pitch walls and said linking wall together define a module;
and removing the completed module from said platform.

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7. (Previously Added) A method of constructing a concrete module, comprising the steps of:

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forming a first pitch wall and a second pitch wall, each of said first and second pitch walls having a wall upper end and having a pitch wall first lateral end and a pitch wall second lateral end and a wall lower end, such that said pitch wall first lateral ends are each mitered;

forming a linking wall having two linking wall lateral ends, such that said linking wall lateral ends are each mitered;

providing a floor form platform having a horizontal platform upper surface and an upright floor form rail extending upwardly from said platform surface and having a longitudinal rail side;

placing said first and second pitch walls and said linking wall on the horizontal platform upper surface of said floor form platform such that the pitch wall second lateral ends of said first and second pitch walls are each adjacent to said longitudinal rail side and such that the pitch wall first lateral ends of said first and second pitch walls are adjacent to said linking wall lateral ends with said pitch wall first lateral ends and said linking wall lateral ends meeting to define mitered corners and said first and second pitch walls both extending generally in the same direction from said linking wall and are spaced apart from each other, and said first and second pitch walls, said linking wall and said longitudinal rail side of said floor form rail together enclosing a region of said horizontal platform surface to define a floor form;

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pouring uncured concrete into said floor form;

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cont permitting the concrete within said floor form to cure and

define a module floor joined to said first and second pitch walls

and said linking wall, such that said module floor, said first and

second pitch walls and said linking wall together define a module;

and removing the completed module from said platform.

8. (Previously Added) A method of constructing a concrete module, comprising the steps of:

forming a first pitch wall and a second pitch wall, each of said first and second pitch walls having a wall upper end and having a pitch wall first lateral end and a pitch wall second lateral end and a wall lower end, such that said pitch wall first lateral ends are each mitered;

forming a linking wall having two linking wall lateral ends, such that said linking wall lateral ends are each mitered;

providing a platform having a horizontal platform upper surface;

placing said first and second pitch walls and said linking wall on the horizontal platform upper surface of said form platform such that the pitch wall first lateral ends of said first and second pitch walls are adjacent to said linking wall lateral ends with said pitch wall first lateral ends and said linking wall lateral ends meeting to define mitered corners and said first and second pitch walls both extending generally in the same direction from said linking wall and are spaced apart from each other;

and connecting said linking wall to said first and second pitch walls.

9. (New) The method of claim 5, comprising the additional steps of:

forming metal plates into lateral edges of the pitch walls and linking walls;

and welding the adjacent metal plates of adjacent lateral ends together to hold the walls in place prior to floor and roof forming

10. (New) The method of claim 5, comprising the additional steps of forming a mitered edge along the pitch wall shorter lateral ends forming a mitered edge along each of the linking wall lateral ends, and placing the shorter pitch wall lateral ends adjacent to the linking wall lateral ends such that pitch wall shorter lateral ends and linking wall lateral ends meet to define mitered corners.

11. (New) The method of claim 10, wherein the step of forming a concrete wall includes the sub-steps of providing three wall forms each having a rectangular perimeter wall resting on a platform; placing reinforcing members within the wall forms, the reinforcing members including threaded first reinforcing rods having threaded rod connection ends such that the threaded rod connection ends are exposed; pouring uncured concrete into the wall forms; permitting the concrete to cure and form building walls; removing the building wall from the wall form; and additionally including the step of fastening second threaded reinforcing rods to the threaded rod connection ends of the first threaded reinforcing

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cont. rods such that the second threaded reinforcing rods extend laterally into the floor form.
